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ABSTRACT

The purpose of the Arkansas Educational Research Stimulation project was to encourage educational research in higher education institutions in the State and to foster a high quality product. Activities of the project were initiatory seminars and workshops on educational and institutional research conducted at both the institutional and interinstitutional levels. At the support level, grants were made to faculty members for educational research projects, and members of the Project's steering committee served in consultative capacities. Disseminative activities were a reporting conference where faculty members reported the results of their research, as well as the distribution of project abstracts throughout the Arkansas educational community. The evaluation procedure consisted of a questionnaire that was completed before the Project began and upon its completion. The conclusion was that educational research in Arkansas had improved. (Author/AF)

ABSTRACT

ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

Purpose. To stimulate the incidence of educational research in higher education institutions in Arkansas and to foster a high quality product.

Activities. Activities of the project were initiatory seminars and workshops on educational and institutional research. These seminars were carried out at both the institutional and inter-institutional levels. At the support level, grants were made to faculty members for small or pilot educational research projects and members of the steering committee served in a consultative capacity for designing or conducting projects. Disseminative activities were a reporting conference where faculty members reported the results of their research work and a volume of project abstracts which was distributed throughout the Arkansas educational community.

Evaluation and Conclusions. Evaluation procedures consisted primarily of a questionnaire which was completed prior to the beginning of the project and again upon its termination. The improvement in the educational research situation in higher education institutions in Arkansas led to the general conclusion that the project served a very worthwhile purpose. Not only did educational research activity among faculty members increase but institutions appeared to be developing internal attitudes and arrangements which will support research efforts in the future.

Final Report

Project No. OG 098
Grant No. OEG-7-70-0179-(509)

ARKANSAS EDUCATIONAL RESEARCH
STIMULATION PROJECT

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Commission on Coordination of
Higher Educational Finance

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Little Rock, Arkansas 72201

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U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE

Office of Education
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ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

I. INTRODUCTION

The incidence of educational research activity among faculty members in higher educational institutions within the State of Arkansas has always been relatively low. An example of a statistical indicator which magnifies this situation was taken from the 1966 and 1967 issues of the Digest of Educational Statistics and is as follows:

Enrollment in Higher Education Institutions in USOE Region VI 1965

<u>State</u>	<u>Enrollment</u>	<u>Percent of Total</u>
Texas	294,529	53.9
Oklahoma	89,326	16.3
Louisiana	89,050	16.3
Arkansas	43,026	
New Mexico	<u>30,388</u>	<u>5.6</u>
Total	546,319	100.0

Estimated Payments of Federal Funds for Research and Development in Educational Institutions in USOE Region VI 1965

<u>State</u>	<u>Federal Funds</u>	<u>Percent of Total</u>
Texas	\$38,399,000	55.9
Oklahoma	7,704,000	11.2
Louisiana	11,154,000	16.2
Arkansas	3,122,000	4.5
New Mexico	<u>8,381,000</u>	<u>12.2</u>
Total	\$68,760,000	100.0

It will be noted that although Arkansas institutions of higher education contained 7.9 percent of the total higher education enrollment in the region, the state received only 4.5 percent of the federal funds utilized for educational research and development.

The reasons for such a situation are only speculative, of course, but it is generally agreed that a history of limited resources has forced the institutions to emphasize the teaching role and research has necessarily been considered an expendable activity. With little time, resources, and encouragement, faculty members have been faced with the task of initiating any desired research activity with little assistance which has undoubtedly served as a deterrent to such activity. Without research activity, instructional personnel have been less apt to maintain the active and dynamic participation in the development of their disciplines which adds enthusiasm to the instructional program and enables them to constantly be more aware of new developments. Since higher education institutions are generally looked to for leadership in the production of new ideas and techniques, it has been of some concern that the absence of dynamic educational research activity in the higher educational institutions left the state with a very small pool of active agents for research and the promotion of change methodology in educational practice.

In 1968, the Arkansas Educational Research and Development Council (AERDC) was organized as a professional organization to which higher educational personnel, public and private elementary and secondary school personnel, and those from other educational agencies could hold membership to jointly encourage and promote educational research activity. The Council meets four times each year and deals with some aspect of educational research at each such meeting. Due to limited resources and no permanent staff, however, the Council has necessarily been limited in the services it could provide until some later date when it has grown and developed. Most of the approximately 60 members in 1970 were convinced, however, that many faculty members within the higher educational institutions possessed the potential for conducting good research projects but were in need of encouragement and assistance in designing projects, writing proposals, determining statistical analyses, and other such matters.

It was with these thoughts in mind that the Commission on Coordination of Higher Educational Finance was asked to seek funds to initiate and conduct a research development project. The initial step was to contact each president of a higher educational institution in the state to determine how many institutions were interested in participating in such a project and, if interested, to name an institutional representative to serve on a Research Project Committee for developing the proposal and to continue as a member of an advisory and evaluative body throughout the project duration. This representative was to be that person on each campus most knowledgeable about educational research and who could provide leadership for the rest of the faculty. Of the 12 state-supported and 12 private higher educational campuses

in Arkansas, 17 responded with interest and named an institutional representative. (See Appendix A for a list of participating institutions) In addition, endorsement was forthcoming from the Arkansas Educational Research and Development Council and the Arkansas Education Association. A proposal was prepared and submitted on April 12, 1970 to the Regional Project Research Program of the U. S. Office of Education. The proposal was approved and a grant of \$10,000 was made for the 1970-71 fiscal year.

The primary purposes of the Arkansas Educational Research Stimulation Project were to stimulate the incidence of educational research in the higher education institutions in Arkansas and to foster a high quality product.

II. PROJECT ACTIVITIES

In meeting the purposes of the Project, it was necessary to remind administrators and faculty members that research in the instructional process was a needed and legitimate responsibility of higher educational institutions and closely tied to the quality of instructional programs. In addition, it was necessary to provide avenues by which investigators could feel the satisfaction of having the results of their efforts made known to colleagues and possibly see some action result. It was felt that such developments would reap the long-range benefit of serving as a further stimulus to investigators to expand or continue their efforts and be an incentive to inactive personnel to seek the satisfaction of producing a piece of research work. Most important, it was necessary to provide financial and consultative assistance to faculty members in designing, conducting, and reporting research projects.

As a result of the aspects considered necessary to meet the objectives of the Project, the activities to be pursued were divided into three categories. These were: (1) initiatory activities, (2) supportive activities, and (3) disseminative activities.

Initiatory Activities

The first activity of the Project took place on September 25, 1970 in the form of a research seminar and workshop conducted on the campus of the University of Arkansas at Little Rock. This conference was held in conjunction with the first meeting of the academic year for the Arkansas Educational Research and Development Council.

The meeting was designed to provide some insight into current educational research development, stimulate project ideas, make known

the objectives of the AERSP project, and provide encouragement to those in attendance to begin work on developing proposals for projects to be carried out during the year. Dr. Stuart Westerlund, Director of Graduate Programs in Education at the University of Tulsa and Dr. Leslie Lewis, Director of Research at Central State College in Oklahoma were selected as speakers and consultants for the meeting. Dr. Lewis had worked closely with the Oklahoma Consortium on Research Development and spoke in the morning on the topic, "The Oklahoma Consortium on Research Development: What it Meant to Educational Research Efforts in Oklahoma Colleges and Universities". Dr. Westerlund had several years experience in education and educational research and had worked in the U. S. Office of Education as well as other Federal agencies. His topic was, "Educational Research: Directions and Developments".

In the afternoon, the group divided itself into two smaller groups to allow for more in-depth discussion. The first group was designed for those with little research experience or background who were potentially interested in pursuing a project through the AERSP project and met with Dr. Lewis assisted by two members of the Research Project Committee. The second group was designed for faculty members of more research sophistication who were interested in more in-depth discussion and were possibly interested in initiating a project beyond the scope of support of the AERSP project. This group met with Dr. Westerlund who was also assisted by two members of the Research Project Committee. The meeting was attended by approximately 60 interested educators from higher education institutions, public school districts, the State Department of Education, the Arkansas Education Association, the Commission on Coordination of Higher Educational Finance, and other educational agencies.

Other initiatory activities were held in the form of institutional workshops. Any participating institution with an interest in conducting a workshop for its own faculty members could submit a request to the AERSP project and receive enabling funds not in excess of \$100 per institution. Three institutions took advantage of this opportunity.

Harding College conducted an institutional workshop on December 1, 1970 which was attended by 20 faculty members. Dr. Gary Chamberlin, Project Director, met with this faculty and the topics given consideration were of a basic nature such as determining the difference between research, evaluation, and development projects, isolating a project problem, designing projects, selecting appropriate statistical tools, writing proposals, sources of research funds, and the internal structure necessary for research efforts to thrive. The second institutional workshop was held by Arkansas State University in conjunction with the Phi Delta Kappa chapter located on the campus.

In addition to faculty members at Arkansas State University, this workshop which utilized the services of Dr. William Gephart, Director of Research Services for Phi Delta Kappa, was attended by interested educators surrounding the institution. Dr. Gephart spoke on general topics in the morning and worked with individual faculty members in small groups in the afternoon on the development of research topics. Several publications concerning the scientific aspects of evaluation were made available to participants and these materials were utilized in the discussions. This workshop was held on March 13, 1971. The third institutional workshop was held on the campus of Arkansas A M & N College on May 11, 1971 and used Institutional Research as its basic theme. Dr. Fred Taylor, Director of Institutional Research at the University of Arkansas and a member of the Research Project Committee, served as the resource consultant for the workshop. In attendance were 13 selected key members of the administration, faculty, and staff and subjects considered were the nature and scope of institutional research activities, necessary data bases and data sources, ways to design significant projects, and the benefits that can be derived by the institution, faculty, and student body when such efforts take place.

The only other formal activity of an initiatory nature took place on the campus of State College of Arkansas on April 19, 1971. Only two higher education institutions in the State of Arkansas had formally organized and matured full-time institutional research facilities prior to 1971. These two institutions were University of Arkansas and Arkansas State University. Other institutions were interested in developing at least part-time institutional research arrangements but were generally unaware of the appropriate entry mechanism. In order to provide assistance to the institutions who were interested in initiating some activities in this area, and to spare them some of the problems and frustrations that the matured institutional research offices had long since overcome, two representatives from each participating institution were invited to attend a workshop on organizing and administering an institutional research office. It was specified that the representatives should be those most likely to be involved in any institutional research activity and the number was limited to allow for discussion. Dr. Fred Taylor, Director of Institutional Research at University of Arkansas and Dr. Melvyn Freed, Director of Institutional Research at Arkansas State University were the resource personnel for the workshop which was attended by 22 people representing 12 higher education institutions.

Supportive Activities

The major thrust of the AERSP project was in encouraging and supporting small research projects or pilot projects of individual faculty members in the participating institutions. Over half of the grant

funds were set aside to be used to make small grants of no more than \$300 each to faculty members for conducting such projects.

In order for a faculty member to receive an AERSP grant, it was necessary for him to prepare a formal proposal according to a format determined by the Research Project Committee and present it to the Project Director. (See Appendix B for a copy of the proposal guidelines) Copies of each proposal were then sent to each Research Project Committee member who read and evaluated the proposals according to the criteria of educational significance, soundness of design, procedure or operational plan, adequacy of personnel and facilities, economic efficiency, and other pertinent information when applicable. When adequate time had been allowed for reading, the Research Project Committee met as a group to consider the proposals and made a final decision upon those to be approved and those to be disapproved. The Committee was well aware that the AERSP project was designed to stimulate educational research activity but it also recognized an obligation to be selective in projects that were approved and given support. As a result, wholesale approval was not given to proposals simply because they had been prepared but exhaustive efforts were made to provide valuable criticism, personal assistance, and encouragement when poorly designed but relevant topics had to be disapproved. In some cases, projects were not appropriate to the purposes of the AERSP project and, whenever possible, suggestions were made for more appropriate support sources.

Three closing dates for proposals were set during the Project period. The first such date was October 23, 1970, the second was December 4, 1970, and the third was January 22, 1971. Closing dates after January 22, 1971 were not set since the AERSP project was to terminate on June 30, 1971 and it was the opinion of the Research Project Committee that sufficient time did not likely remain in most cases to allow thorough planning and implementation of a project to take place.

At the first closing date, 26 proposals were submitted and 14 were approved by the Research Project Committee for support. At the second closing date, eight proposals were submitted of which five were approved. Five of the six proposals submitted at the final closing date were approved for a total of 40 proposals submitted at the three closing dates and 24 projects approved and granted support. (See Appendix C for a list of project titles and investigators)

Although not of a financial nature, the Project Director and members of the Research Project Committee provided support to several investigators in the form of consultative assistance. In one instance, Dr. Jim McGee and the Project Director traveled to College of the Ozarks to assist an initiator in developing a proposal design. In another instance,

Mr. William Osborne and the Project Director met with initiators at Hendrix College for the same purpose. The Project Director traveled alone to Harding College at one time to assist an investigator in preparing a project design and both the Project Director and Dr. Melvyn Freed spent the major part of one day on the campus of Arkansas College assisting in ironing out problems that had arisen in the conduct of a supported project. In several instances, the Project Director met with visitors to his office from the various institutions in providing assistance in developing and designing projects. The final instance of such assistance provided was the case where a faculty member at Arkansas Polytechnic College became interested in expanding the research he had conducted under an AERSP grant and had prepared a proposal to be submitted to the Regional Project Research Program of the U. S. Office of Education. He submitted the proposal to the Project Director who requested three other members of the Research Project Committee to join him in reading the proposal and responding with suggestions to the proposer. These suggestions were then incorporated into the proposal before it was submitted to the RPR program.

Disseminative Activities

The disseminative activities of the AERSP project took several forms. In some cases, the effort was to make known the activities and opportunities available through the project and in others, the effort was toward disseminating the results of research that had been conducted as a result of the project.

When the grant for support of the project was first made known, an announcement was released to local news media and appeared in both the Arkansas Gazette and Arkansas Democrat. (See Appendix D for copies of these press announcements) In September of 1970, the first activity of the project was held. This activity, although reported in initiatory activities, was a research seminar and also served as a means for disseminating the purposes and opportunities available through the AERSP project. The seminar was publicized by a press release which appeared in the Arkansas Gazette. (See Appendix D) Other news releases and announcements appeared from time to time as a direct result of the project and they also appear in Appendix D.

In an effort to keep institutional representatives and faculty members up-to-date on project activities, accomplishments, and related events, a newsletter was prepared on a quarterly basis and distributed to the participating institutions. These newsletters were circulated in October, December, March, and July. (See Appendix E for copies of each newsletter)

On May 7, 1971, a research reporting conference was scheduled for general reporting on the AERSP project and to allow the faculty members who received grants for projects to present their results to their colleagues who were in attendance at the meeting. This conference was held in conjunction with the final meeting of the year of the Arkansas Educational Research and Development Council and was held on the campus of Harding College in Searcy, Arkansas.

This day-long conference was attended by 50 educators from throughout the State of Arkansas. The morning hours were devoted to comments on the AERSP project by Dr. M. Olin Cook, Executive Director of the Commission on Coordination of Higher Educational Finance, a summary of project activities by Dr. Gary Chamberlin, Project Director, and institutional reports of AERSP project developments by Research Project Committee members Dr. Jim Ed McGee and Dr. Melvyn Freed of Arkansas Polytechnic College and Arkansas State University, respectively, where research activity appeared to have been most stimulated by the project.

The afternoon session of the conference was divided into five 30 minute segments. In the first four segments, 17 of the 24 projects supported by the AERSP project were reported. Four or five projects were reported simultaneously and those in attendance could select the project report they most wanted to hear during each segment. The final 30 minute segment was reserved for closing comments and a conference summary by Dr. Phillip Hefley, Director of Educational Research for the Region VII Office of the U. S. Office of Education, who was in attendance at the conference.

Further dissemination of the results of the individual research projects was accomplished through the preparation and distribution of volume containing abstracts of each project report. This volume entitled, "Educational Research in Arkansas 1970-71" was edited by the project director and copies were mailed to each researcher, college or university president, department of education, and Research Project Committee member within the state.

III. PROJECT EVALUATION

Evaluation Procedures

Many aspects of the Arkansas Educational Research Stimulation Project may well never be subjected to evaluation. Certainly there is the likelihood that long term benefits might result which will not accrue or be evident until some time in the future and may not be ascribed to the Project when they are recognized. In the meantime, however, it was

necessary and desirable to identify certain aspects which could be subjected to evaluative efforts as they applied to short-range goals and as projected to longer-range objectives. A significant and immediate indicator, of course, was the existence of reports of research projects which had been conducted as a result of the AERSP project. In determining more comprehensively the impact that the Project had on educational research efforts in Arkansas, data were collected for analysis and evaluation purposes.

As its first duty, the Research Project Committee developed a questionnaire to be used in collecting institutional data about each of the participating institutions. (See Appendix F for a copy of the questionnaire used) This questionnaire was completed by each institutional representative for the fiscal year 1970 and again for the fiscal year 1971. Items on the questionnaire concerned primarily three areas. First, was a determination of whether increased efforts had been made in conducting educational research projects and submitting proposals to funding agencies; second, was a determination of whether the research arrangements within institutions had been improved; and third, was a determination of whether faculty involvement in their disciplines had improved. By compiling the data from the pre-project questionnaires, it was possible to determine the situation within the state prior to initiation of the AERSP project. A similar compilation of the post-project data provided another look at the situation upon termination of the project. Certainly it was recognized that uncontrolled variables operative during the year may have also contributed to any improvement or decline in the research climate within the state but it was felt that this evidence, along with additional supporting data in the form of known successes as a result of the Project, could be taken as a sound measure of relative success or failure.

Evaluation Results

The questionnaire responses were tabulated for each year represented and shown on tables through the body of this report section. It was felt that the items which were included were those which would provide quantifiable criteria for satisfactory measurement.

Table I shows the number of faculty members who conducted educational research projects during the 1969-70 and 1970-71 fiscal years and the number of faculty members who received released time for such research activities. It will be noted that the number of educational research projects conducted varied within the institutions as would be expected and actually decreased by five during the year statewide. A significant factor which did appear, however, was the fact that seven of the institutions, or 43.8 percent, did not have a single faculty member who conducted an educational research project

during the 1969-70 year. During 1970-71, only 3 or 18.8 percent of the institutions had no such projects conducted.

In terms of released time for research, faculties fared better during the year period of time. In 1969-70, only 16 faculty members received released time for research in 37.5 percent of the institutions while 24 faculty members received released time to conduct research projects in 43.8 percent of the institutions in 1970-71.

The increased effort on the part of faculty members and the institutions in securing financial support for educational research activities is shown in Table II. In 1969-70, only 25 proposals for support were submitted to funding agencies by 56.3 percent of the participating institutions while this number had jumped to 48 in 1970-71 and such efforts had come from 68.8 percent of the institutions. The insignificant number of projects which were approved but never funded does not allow meaningful conclusions but the number of projects funded as a result of such efforts provides a suggestion of increased success for the efforts expended. In 1969-70, only 10 of the 25 submitted proposals were funded for a success rate of 40 percent. In 1970-71, 34 of the 48 submitted proposals were funded for a 70.8 percent success rate. Not only were considerably more proposals submitted but the success rate was also significantly improved.

In determining the nature of projects that were conducted, Table III reveals the number of research projects which were conducted as interdisciplinary or interinstitutional projects. Although arrangements within the institutions varied, there was an increase from six to nine interdisciplinary research efforts with the percentage of institutions having such arrangements increasing from 25 to 37.5. It appeared, too, that institutions were becoming a little more receptive to promoting interinstitutional research efforts although the increase was not significant. Such arrangements increased from nine to ten and the number of institutions involved increased from five to six.

The participating institutions appeared to be making much progress in developing internal faculty research arrangements on an institution-wide basis as evidenced by Table IV. In 1969-70, only seven institutions had established institution-wide research committees while this number had jumped to 11 during 1970-71. Research committees for education faculty members did not improve. Only three institutions had such committees in 1969-70 and an equal number in 1970-71. This may likely be due to the fact that many of the participating institutions are relatively small and faculty efforts within departments was not advisable.

In terms of formal research offices located within institutions, institutional research offices appeared to be making much more significant

TABLE I

The Number Of Faculty Members Who Conducted Educational Research Projects And The Number Of Faculty Members Who Received Released Time From Other Duties For Conducting Such Projects 1969-70 and 1970-71

Institution	Number of Faculty Members Who Conducted Ed. Research Projects		Number of Faculty Members Who Received Released Time for Conducting Ed. Research Projects	
	1969-70	1970-71	1969-70	1970-71
Arkansas A&M College	0	0	0	0
Arkansas A M & N College	16	3	3	2
Arkansas College	0	2	0	0
Arkansas Polytechnic College	4	5	0	1
Arkansas State University	12	13	1	0
College of the Ozarks	0	1	0	0
Harding College	12	7	2	1
Henderson State College	8	10	5	6
Hendrix College	0	2	0	0
Phillips Co. Community College	0	0	0	0
Philander Smith College	4	5	0	1
Southern State College	1	1	0	0
State College of Arkansas	3	3	1	1
University of Arkansas*	5	5	4	12
U of A at Little Rock	0	3	0	0
Westark Junior College	0	0	0	0
Total	65	60	16	24

*Education Faculty Only

Note: Ouachita Baptist University was also a participating institution but was eliminated in the analysis since a post-project evaluation form was not completed.

TABLE II

The Number of Educational Research Proposals Submitted to Support Agencies Outside the Institutions, the Number of Such Proposals Approved but not Supported, and the Number of Projects Approved and Given Support 1969-70 and 1970-71

Institution	Number of Educational Research Projects Submitted to Support Sources		Number of Proposals Approved but not Supported		Number of Projects Approved and Given Support	
	1969-70	1970-71	1969-70	1970-71	1969-70	1970-71
Arkansas A & M College	0	0	0	0	0	0
Arkansas A M & N College	3	8	1	0	2	4
Arkansas College	0	0	0	0	0	0
Arkansas Polytechnic Coll.	0	7	0	0	0	6
Arkansas State University	0	6	0	0	0	6
College of the Ozarks	0	1	0	0	0	1
Harding College	2	2	0	0	2	1
Henderson State College	1	2	0	1	0	1
Hendrix College	0	2	0	0	0	2
Phillips Co. Community Coll.	2	0	0	0	0	0
Philander Smith College	4	7	1	0	0	4
Southern State College	1	1	0	0	1	1
State College of Arkansas	4	3	0	0	2	0
University of Arkansas*	7	9	1	0	3	5
U of A at Little Rock	1	0	0	0	0	0
Westark Junior College	0	0	0	0	0	0
Total	25	48	3	1	10	34

*Education Faculty Only

Note: Ouachita Baptist University was also a participating institution but was eliminated in the analysis since a post-project evaluation form was not completed.

TABLE III

The Number of Interdisciplinary Educational Research Projects Conducted
and the Number of Interinstitutional Educational Research Projects Conducted
1969-70 and 1970-71

Institution	Number of Interdisciplinary Educational Research Projects Conducted		Number of Interinstitutional Educational Research Projects Conducted	
	1969-70	1970-71	1969-70	1970-71
Arkansas A&M College	0	0	0	0
Arkansas A M & N College	2	1	1	5
Arkansas College	0	0	0	0
Arkansas Polytechnic College	0	2	1	0
Arkansas State University	0	2	4	0
College of the Ozarks	0	0	0	0
Harding College	2	0	2	0
Henderson State College	0	0	0	1
Hendrix College	0	0	0	1
Phillips Co. Community College	0	0	0	0
Philander Smith College	0	1	0	1
Southern State College	1	0	0	0
State College of Arkansas	1	1	1	1
University of Arkansas*	0	2	0	1
U of A at Little Rock	0	0	0	0
Westark Junior College	0	0	0	0
Total	6	9	9	10

*Education Faculty Only

Note: Ouachita Baptist University was also a participating institution but was eliminated in the analysis since a post-project evaluation form was not completed.

TABLE IV

The Number of Institutions That Had Institution Wide Faculty Research Committees
And the Number of Institutions That Had Education Faculty Research Committees
1969-70 and 1970-71

Institution	Institutions That Had Institution Wide Faculty Research Committees		Institutions That Had Education Faculty Research Committees	
	1969-70	1970-71	1969-70	1970-71
Ark. A & M College	No	No	No	No
Ark. A M & N College	Yes	Yes	No	No
Arkansas College	No	Yes	No	No
Ark. Polytechnic College	Yes	Yes	No	No
Ark. State University	Yes	Yes	Yes	Yes
College of the Ozarks	No	Yes	Yes	Yes
Harding College	No	No	No	No
Henderson State College	Yes	Yes	No	No
Hendrix College	No	No	No	No
Phillips Co. Community Coll.	No	No	No	No
Philander Smith College	Yes	Yes	No	No
Southern State College	Yes	Yes	No	No
State College of Arkansas	No	Yes	No	No
University of Arkansas	No	Yes	No	Yes
U of A at Little Rock	Yes	Yes	Yes	No
Westark Junior College	No	No	No	No
Total No	9	5	13	13
Total Yes	7	11	3	3

Note: Ouachita Baptist University was also a participating institution but was eliminated from the analysis since no post-project evaluation form was completed.

progress than research offices oriented toward assisting faculty members in preparing research projects. Table V shows that the same seven institutions that had project research offices in 1969-70 still had them in 1970-71 although two of them had moved from part-time directors to full-time directors. Only four institutions had formally recognized institutional research offices established in 1969-70 and only two of those had full-time directors. By 1970-71, the number had grown to seven with three having full-time directors.

The items on the questionnaire having to do with faculty involvement in their professions, as measured by participation in professional organizations, etc., are presented in Tables VI and VII. Table VI shows that the number of faculty members who attended at least one professional education organization meeting decreased from 504 in 1969-70 to 400 in 1970-71. Of those who did attend meetings, a greater number were taking a more active part as evidenced by the increase in the number of faculty members who had presented papers at professional meetings. This number increased from 60 in 1969-70 to 83 in 1970-71. Consistent with this development was the fact that the number of faculty members who published articles in professional journals increased from 25 in 1969-70 to 47 in 1970-71. An external factor involved that might partially explain the reduced attendance at professional meetings while papers presented and publication efforts increased was the financial burden that most institutions across the country found themselves in during 1970-71. As a result of intensified budget restraints, many institutions placed limitations on travel funds for faculty attendance at professional meetings.

Table VII shows faculty involvement in professional organizations through leadership that was exerted by holding offices in such organizations. It will be noted that leadership positions were held by a greater number of faculty members in state and regional organizations during the year while offices held in national level organizations declined. The increased emphasis on state and regional participation while a decrease was taking place at the national level may again have been influenced by travel fund limitation but it is encouraging that faculty members seem not to have withdrawn from exerting leadership but merely transferred it to a level more close to home.

Happenings which were not as easily quantified provide further evidence of the impact of the Arkansas Educational Research Stimulation Project on educational research efforts in Arkansas. Many individual case situations developed but the following four are presented in brief form as the four most significant.

Case 1. A faculty member who had never before submitted a proposal to a funding agency for conducting an educational research project

TABLE V

The Number of Institutions That Had Project Research Offices, the Number of Institutions That Had Institutional Research Offices, and the Staff Level of Such Offices
1969-70 and 1970-71

Institution	Institutions That Had Project Research Offices		Staff Level of Project Research Offices		Institutions That Had Institutional Research Offices		Staff Level of Institutional Research Offices	
	1969-70		1970-71		1969-70		1970-71	
	1969-70	1970-71	1969-70	1970-71	1969-70	1970-71	1969-70	1970-71
Ark. A & M College	No	No	--	--	No	No	--	--
Ark. A M & N College	Yes	Yes	Part	Full	No	Yes	--	Full
Arkansas College	No	No	--	--	No	No	--	--
Ark. Polytechnic Coll.	Yes	Yes	Part	Part	No	Yes	--	Part
Ark. State University	Yes	Yes	Full	Full	Yes	Yes	Full	Full
College of the Ozarks	No	No	--	--	No	No	--	--
Harding College	Yes	Yes	Part	Full	No	No	--	--
Henderson State College	Yes	Yes	Part	Part	No	Yes	--	Part
Hendrix College	No	No	--	--	No	No	--	--
Phillips Co. Comm. Coll.	No	No	--	--	No	No	--	--
Philander Smith College	No	No	--	--	No	No	--	--
Southern State College	No	No	--	--	Yes	Yes	Part	Part
State College of Arkansas	Yes	Yes	Part	Part	Yes	Yes	Part	Part
University of Arkansas	Yes	Yes	Full	Full	Yes	Yes	Full	Full
U of A at Little Rock	No	No	--	--	No	No	--	--
Westark Junior College	No	No	--	--	No	No	--	--
Total No	9	9			12	9		
Total Yes	7	7			4	7		
Total Part-Time			5	3			2	4
Total Full-Time			2	4			2	3

Note: Ouachita Baptist University was also a participating institution but was not included in the analysis since a post-project evaluation form was not completed.

TABLE VI

Number of Faculty Members That Attended Professional Education Organization Meetings, the Number of Faculty Members Who Presented Papers at Professional Education Organization Meetings, and the Number of Faculty Members Who Published Research Articles in Professional Journals
1969-70 and 1970-71

Institution	No. of Faculty Members Who Attended Profes- sional Education Organization Meetings		No. of Faculty Members Who Presented Papers at Such Meetings		No. of Faculty Members Who Published Articles In Professional Journals	
	1969-70	1970-71	1969-70	1970-71	1969-70	1970-71
Ark. A & M College	75	0	0	0	0	0
Ark. A M & N College	58	21	14	6	6	3
Arkansas College	3	14	0	0	0	0
Ark. Polytechnic College	15	4	0	2	0	2
Arkansas State University	64	79	12	22	3	9
College of the Ozarks	20	6	1	1	0	0
Harding College	47	40	0	1	2	1
Henderson State College	42	26	1	0	1	0
Hendrix College	10	2	2	1	2	0
Phillips Co. Comm. College	0	5	0	0	0	0
Philander Smith College	30	36	2	5	1	0
Southern State College	44	32	5	4	6	4
State College of Arkansas	50	50	10	3	0	1
University of Arkansas*	30	26	12	17	3	2
U of A at Little Rock	2	40	0	20	1	25
Westark Junior College	14	19	1	1	0	0
Total	504	400	60	83	25	47
* Education Faculty Only						

Note: Ouachita Baptist University was also a participating institution but was not included in the analysis since a post-project evaluation form was not completed.

TABLE VII

The Number of Faculty Members Who Held Offices in State, Regional, and National Professional Education Organizations
1969-70 and 1970-71

Institution	Number of Faculty Members Who Held Offices In Professional Education Organizations						
	State		Regional		National		
	1969-70	1970-71	1969-70	1970-71	1969-70	1970-71	
Arkansas A & M College	2	0	0	0	0	0	0
Arkansas A M & N College	11	3	5	1	2	1	1
Arkansas College	2	3	1	0	0	0	0
Arkansas Polytechnic College	4	3	2	0	2	0	0
Arkansas State University	8	9	2	8	4	3	3
College of the Ozarks	2	2	0	1	1	0	0
Harding College	5	4	1	1	1	0	0
Henderson State College	10	2	6	0	3	0	0
Hendrix College	1	0	0	0	0	0	0
Phillips Co. Community College	0	3	0	1	0	0	0
Philander Smith College	4	5	2	2	0	0	0
Southern State College	0	8	1	2	0	1	1
State College of Arkansas	5	4	0	1	1	0	0
University of Arkansas *	14	11	8	4	2	2	2
Univ. of Ark. at Little Rock	2	20	0	10	1	5	5
Westark Junior College	6	2	1	1	0	0	0
Total	76	79	29	32	17	12	

* Education Faculty Only

NOTE: Ouachita Baptist University was also a participating institution but was not included in the analysis since no post-project evaluation form was completed.

submitted a proposal to the AERSP project for \$200. The proposal was approved and the project completed. The investigator then prepared another proposal expanding the work that had been started and submitted it to a funding agency outside the institution. This proposal was approved and a grant of approximately \$7,000 was made for the 1971/72 academic year. This faculty member has become enthused about the results he is obtaining and is presently preparing articles on his past work to be submitted to professional journals as well as developing ideas for additional research projects to be conducted in the future.

Case 2. A faculty member who had not submitted a proposal to a funding agency in the past presented a proposal to the AERSP project for a limited amount of funding. The proposal was approved and the project completed with no difficulty. The results appeared to provide interesting contributions to those in the discipline and the investigator was invited to present the results of the project at a regional conference to be held in the Fall of 1971.

Case 3. A faculty member received a small grant from the AERSP project to conduct an educational research project. Based upon the results of the project, a proposal was prepared and submitted to an outside funding agency to expand upon the results obtained. The proposal was approved and a grant of several thousand dollars was made. Pending the outcome of this project, the investigator hopes to further develop his work on a larger scale at a later date.

Case 4. A faculty member conducted an educational research project with a small grant from the AERSP project. Although it was her first effort, her findings were of much interest to her colleagues and she was subsequently invited to present them to a meeting of faculty members from several higher education institutions at a prestigious university in another state. She expects to expand the work begun with the AERSP project grant and present a proposal within the next year to a funding agency outside the institution for much more significant funding.

IV. CONCLUSIONS

Based upon the evaluation procedures attendant with the Arkansas Educational Research Stimulation Project, several conclusions can be drawn. Certainly it was not expected at the beginning of the Project that previous statewide efforts in the educational research field would be altered from limited to massive. Although the scope of the Project was broad and the ideals placed high, it was necessarily recognized that the support level and dependence upon contributed human resources would undoubtedly not allow the production

of an educational research situation in Arkansas representing the reciprocal of historical tendencies.

In spite of these realities, there developed within the state during the conduct of the AERSP project a much more dynamic educational research situation. The facts that more educational research projects were conducted in more institutions and that more proposals were presented to support sources with greater success provide ample reason for optimism about the Project. Additional optimism was generated by the evidence pointing to a glimmer of an awakening among the institutions to the need for internal arrangements more supportive of research efforts. Released time for faculty members to conduct educational research projects was more prevalent and, at least at the institution-wide level, faculty research committees began to appear in greater numbers. The fact that such committees were established in no way means that they were properly organized to function most effectively but their mere existence signifies a move in the positive direction and provides a base for significant future development. A further positive sign of institutional awareness of the need to bring research thinking to bear upon educational problems and decisions was the development of more formally recognized institutional research arrangements.

It was not encouraging that faculty members were being in attendance at fewer professional organization meetings. As previously mentioned, however, financial restraints placed upon many institutions during 1970-71 caused travel funds to necessarily be limited in many cases and undoubtedly took its toll on faculty involvement in professional organization activities. Nevertheless, it was most encouraging to find that more faculty members had presented papers at such meetings and more found that their research results were finding their way into print for sharing with colleagues.

Generally, it is concluded that the Arkansas Educational Research Stimulation Project has been of significant meaning to educational research efforts in Arkansas. Most certainly it was able to serve as a central focal point for educational research which magnified the need for increased efforts in improving the educational and instructional processes. Most assuredly, some faculty members who had not previously felt the personal satisfaction of completing a research project will benefit from the current and future professional recognition that may come about. The greatest beneficiaries, however, will be the young people of Arkansas who will be the recipients of the increased intensity of faculty members excited about new ideas and the improved instructional processes that will develop from the spark of an idea in the head of an educator and subsequently proven effective through research efforts.

APPENDIX A

**RESEARCH PROJECT COMMITTEE
ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT**

Mr. Hubert Blanchard
Associate Executive Secretary
Arkansas Education Association

Dr. Roberta Brown
Academic Dean
Arkansas College

Dr. Gary Chamberlin
Assistant Director
Commission on Coordination of
Higher Educational Finance

Dr. Francis Christie
Academic Dean
Hendrix College

Dr. R. C. Davis
Vice President for Academic
Affairs, Research & Development
Arkansas A M & N College

Dr. Fritz Ehren
Academic Dean
College of the Ozarks

Dr. Melvyn Freed
Director of Institutional Research
Arkansas State University

Dr. Carl Goodson
Vice President for Academic
Affairs
Ouachita Baptist University

Mr. J. J. Hogue
Assistant to the President
Arkansas A & M College

Dr. Charles Jackson
Vice President for Administration,
Research and Federal Programs
Southern State College

Dr. Jim McGee
Director of Sponsored Programs
and Instructional Services
Arkansas Polytechnic College

Mr. William Osborne
Director of Research and
Admissions
State College of Arkansas

Dr. J. D. Scott
Director of Development and
Public Relations
Philander Smith College

Dr. E. G. Sewell, Chairman
Department of Education
Harding College

Dr. Howard Stephens, Chairman
Department of Education
University of Arkansas at Little
Rock

Dr. C. Miller Strack
Dean of Academic Services
Henderson State College

Dr. Fred Taylor
Director of Institutional Research
University of Arkansas

Dr. Gene Weber
Academic Dean
Phillips County Community College

Dr. Ben Whitfield
Dean and Acting President
Westark Junior College

APPENDIX B

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ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

PROPOSAL GUIDELINES AND EVALUATION PROCEDURE

Administered by the

COMMISSION ON COORDINATION OF HIGHER EDUCATIONAL FINANCE

Supported by the

**REGIONAL PROJECT RESEARCH PROGRAM
U. S. OFFICE OF EDUCATION**

29

September 1970

ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

Introduction

The Arkansas Educational Research Stimulation Project is a project designed to stimulate educational research activity among faculty members in Arkansas colleges and universities. The Project is administered by the Commission on Coordination of Higher Educational Finance and is supported by a grant from the Regional Project Research Program of the U. S. Office of Education.

The primary activity of the Project will be the provision of small grants of approximately \$200 each to faculty members in Arkansas colleges and universities for the purpose of conducting small educational research projects or pilot educational research projects. Grants will be made to the institutions in which the investigators are employed and will be designated for the exclusive use of the grantees in conducting their research projects. There is no provision for indirect costs to be applied to these grants by institutions.

The Project was initiated on July 1, 1970 and is operated by a Project Director and a Research Project Committee consisting of members from each participating institution. It will be active for one year and will terminate on June 30, 1971.

Proposal Guidelines

A faculty member interested in pursuing a grant from the Project must submit a proposal to the Research Project Committee. This proposal will be read by each member and evaluated on the following bases:

- (1) Educational significance.
- (2) Soundness of design, procedure, or operational plan.
- (3) Adequacy of personnel and facilities.
- (4) Economic efficiency.
- (5) Other as appropriate.

Proposal Format

Although it is recognized that no single set of directions or no single format for a research proposal is appropriate in every case, the following format will serve as a guide in preparing proposals.

The first page of the proposal should be the title page and in the general format as shown in Appendix A. The proposal body should include the following sections:

- (1) Title of project.
- (2) Statement of the problem and objectives.
(State the problem in clear concise terms so that a reader can immediately determine what it is that the investigator proposes to do)

(3) Statement of delimitations.

(If the project is delimited to any specific group of subjects, institutions, geographic area, etc., it should be indicated in this section)

(4) Brief review of related research.

(As briefly as possible, any related research findings from the literature should be included in this section)

(5) Method of procedure.

(This section should be the "meat" of the proposal. Here the investigator should specify what is to be done, how it will be done, and where it will be done. It should include a description of subjects to be used in the study, any instruments that will be used, etc. The investigator should take care to explain the procedure clearly)

(6) Project budget.

(The final page of the proposal should include the project budget and should be prepared according to the format specified in Appendix B)

Investigators should attempt to make their proposals as concise as possible. It is expected that most proposals can be prepared in a maximum of 10-15 single spaced typewritten pages.

Grantee Requirements

The investigator will be required to submit a brief progress report midway through the project. This report should explain what has been done by the investigator, a brief timetable of the remainder of the project, and when project completion is expected.

In addition, a final report of the project will be required. This report will be required upon termination of the project and will follow the indicated format:

(1) Title page.

(Prepare according to Appendix C)

(2) Title of project.

(3) Restatement of the problem researched.

(4) Brief review of the research procedure utilized.

(5) Resume of findings.

(6) Conclusions and recommendations.

(7) Budget report.

(The budget report should be on a separate sheet and should be prepared according to the format shown in Appendix D)

Any unexpended funds will be returned to the grantor.

Evaluation Procedure

All proposals submitted for funding through this Project will be read and evaluated by members of the Research Project Committee except that a member will not evaluate proposals submitted from his institution.

Appendix E includes a copy of the evaluation form that will be used. Each Research Project Committee member will complete the form and attach a numerical rating to the projects read. These will then be returned to the Project Director who will total all ratings and average them for all readers. The projects with the highest average ratings will have the highest funding priority in the event that all projects cannot be funded with the resources available.

Projects will be approved, provisionally approved, or disapproved. In the event that a project is considered inappropriate, does not include a feasible method of procedure, or includes other serious problems, the proposal will be disapproved. When this happens, a summary of the problems perceived in the proposal will be sent to the initiator as well as to the Research Project Committee member from that institution. If a project is given full approval, both the initiator and the Research Project Committee member involved will be notified. In some cases, a project may be considered worthy of support but may include minor problems of a nature detrimental to the potential success of the project. In these cases, the project will be approved but will require the initiator to revise problem areas before support will be forthcoming. Both the initiator and Research Project Committee member will be notified of such action.

It is expected that initiators will work closely with Research Project Committee members in developing proposals. In addition, the Project Director will work with initiators when requested as will other members of the Research Project Committee with expertise which would be of benefit to the initiator.

Proposals and requests for additional information should be directed to:

Dr. Gary D. Chamberlin, Project Director
Commission on Coordination of Higher Educational Finance
401 National Old Line Building
Little Rock, Arkansas 72201
Phone: (501) 371-1441

Members of the
RESEARCH PROJECT COMMITTEE

Mr. J. J. Hogue
Arkansas A & M College

Dr. Richmond C. Davis
Arkansas A M & N College

Dr. Roberta A. Brown
Arkansas College

Dr. Jim Ed McGee
Arkansas Polytechnic College

Dr. Melvyn N. Freed
Arkansas State University

Dr. Fritz H. Ehren
College of the Ozarks

Dr. E. G. Sewell
Harding College

Dr. C. Miller Strack
Henderson State College

Dr. Francis Christie
Hendrix College

Dr. Carl Goodson
Ouachita Baptist University

Dr. J. D. Scott
Philander Smith College

Sen. Joe Lee Anderson
Phillips County Community College

Dr. Charles Jackson
Southern State College

Mr. William H. Osborne
State College of Arkansas

Dr. Fred Taylor
University of Arkansas

Dr. Howard Stephens
University of Arkansas at Little Rock

Dr. Ben Whitfield
Westark Junior College

Mr. Hubert Blanchard
Arkansas Education Association

APPENDIX A

PROPOSAL FOR RESEARCH SUPPORT FROM THE ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

Project Title:

Institution:

(Name of Institution)

Investigator(s):

(Signature)

(Full name and position of person(s)
responsible for project)

Transmitted by:

(Signature)

(Full name and position of official
committing institution to activity)

Contracting Officer:

(Signature)

(Full name and position of individual
with authority to negotiate contracts
for institution)

Duration of Activity:

(Proposed beginning and ending dates)

Total AERSP Funds Requested:

APPENDIX B

PROJECT BUDGET

Project Director _____ Institution _____

Project Starting Date _____ Ending Date _____

	<u>AERSP</u>	<u>INSTITUTION</u>	<u>TOTAL</u>
A. Salaries			
B. Employee Benefits			
C. Travel			
D. Supplies and Materials			
E. Communications			
F. Services			
Duplicating and Reproduction			
Statistical			
Testing			
Other (Specify)			
G. Report Production			
H. Other Costs (Specify)*			
I. TOTAL COSTS			

APPENDIX C

(Title of Project)

(Name of Investigator)
(Institution of Investigator)

(Date)

This project was conducted through a grant from the Arkansas Educational Research Stimulation Project funded by the Regional Project Research Program of the U. S. Office of Education and administered by the Arkansas Commission on Coordination of Higher Educational Finance.

APPENDIX D

FINAL BUDGET REPORT (Funds Expended)

Project Director _____ Institution _____

Project Starting Date _____ Ending Date _____

AERSP

INSTITUTION

TOTAL

A. Salaries

B. Employee Benefits

C. Travel

D. Supplies and Materials

E. Communications

F. Services

Duplicating and
Reproduction

Statistical

Testing

Other (Specify)

G. Report Production

H. Other Expenditures (Specify)*

I. TOTAL EXPENDITURES

*Indirect Costs will not be allowed.

APPENDIX E

ARKANSAS EDUCATIONAL RESEARCH
STIMULATION PROJECT

RESEARCH PROJECT COMMITTEE EVALUATION FORM

Evaluator _____ Project Number _____

Date Mailed _____ Date Returned _____

I recommend that this proposal be Approved _____ Disapproved _____

If you approved the proposal, check the rating below which most accurately describes your evaluation of the project.

(High) 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ (Low)

Comments: (If you recommended disapproval, please indicate your reasons. If you feel the project is worthy of support but have reservations about minor problems, indicate those reservations and rate the project as you would if the problems were corrected. Support will not be given a project where reservations are held by numerous evaluators until they are eliminated by the initiator.)

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(Signature of Evaluator)

(Date)

APPENDIX C

ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

PILOT RESEARCH PROJECT TITLES AND AUTHORS

- 1) "Proposal for Discriminatory Analysis Guide for Freshmen Placement in Mathematics at Hendrix"

Dr. Cecil McDermott
Hendrix College
- 2) "The Relationship Between a Spoken Negro Dialect and Writing Errors of Black College Students"

Mrs. LaVerne Hanners
Arkansas A. M. & N. College
- 3) "A Rhythmic Approach for Teaching Sight-Reading of Music at the Piano for Adults"

Dr. William Trantham
Ouachita Baptist University
- 4) "Recognition Learning in Nursery School Children"

Dr. Lawrence Cole
Arkansas Polytechnic College
- 5) "A Study of the Welch Autotutor as an Educational Supplement for Freshman College Chemistry Students"

Dr. William Walker Trigg
Arkansas Polytechnic College
- 6) "Establishment of a Permanent Collection of Microorganism Cultures to Facilitate Undergraduate Instruction in Biology"

Dr. Rex Eley
Dr. Hugh Johnson
Southern State College
- 7) "A Project to Determine Whether Alternate Methods of Teaching Freshman Western Civilization Produce Equivalent Content Mastery"

Dr. Jane Fagg
Arkansas College

- 8) "Is Small Town Teaching Unique?"

Mrs. Margaret Wentworth
Philander Smith College

- 9) "Environmental Education in Junior High English Class"

Dr. Bobby Coker
Harding College

- 10) "The Effectiveness of Predicting Student Success in Freshman Algebra Courses"

Dr. Donald Wright
Dr. Thomas Bishop
Arkansas State University

- 11) "The Use of Contingency Management Techniques in Teaching Medical Terms to Graduate Rehabilitation Counseling Students"

Dr. Alvin McRaven
Dr. C. L. McLarty
Dr. John Burns
Arkansas State University

- 12) "Some Affective Characteristics of Volunteers for Psychological Experiments and Nonparticipants in Such Experiments"

Dr. John Burns
Arkansas State University

- 13) "An Investigation of Student Autonomy in a Short-Term Study of Arkansas History"

Dr. James Griner
Arkansas State University

- 14) "The Immediate and Residual Effects of a College Men's Physical Fitness Training Program Upon Selected Physical Measures"

Dr. George Moore
University of Arkansas

- 15) "A Survey of the Elementary Teacher's Interests and Preparation in Teaching Outdoor Education"

Mr. Larry Gann
Arkansas Polytechnic College

- 16) "Changes in Mental Health Attitudes of Nursing Students"
- Dr. James Golden
Miss Charlotte Leach
Arkansas State University
- 17) "Development of an All Purpose Questionnaire Format and Computer Program for Student Use in Social Research"
- Mr. Ronald Loague
College of the Ozarks
- 18) "An Investigation of the Health Knowledge Status of Sixth Grade Students in Selected Northeast Arkansas Schools"
- Dr. James DeVazier
Dr. John Hosinski
Arkansas State University
- 19) "A Pilot Project to Develop Effective Demonstration Models to Aid in Basic Principles of Structural Design"
- Mr. Richard Kellogg
University of Arkansas
- 20) "A Descriptive Survey of Selected Characteristics of Harding Spring Student Teachers"
- Dr. E. G. Sewell
Harding College
- 21) "A Method for Early Identification of Research Oriented Undergraduate Mathematics Majors"
- Dr. Temple Fay
Hendrix College
- 22) "Manipulation of Implicit Associative Responses in Verbal Discrimination Learning by Children"
- Dr. Charles Jones
Arkansas Polytechnic College
- 23) "Significance of the Positions of þ and ð in Old English Manuscripts, Particularly in the Beowulf Manuscript"
- Dr. Oneida Stapp
Arkansas Polytechnic College

- 24) "Color Blindness Among Mongoloid, Educable Mentally Retarded, and Normal Children"

Dr. Harold Love
State College of Arkansas

APPENDIX D

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ARKANSAS GAZETTE
6/24/70

CCHEP Receives \$20,000 in Grants

The Commission on Co-ordination of Higher Educational Finance has received two \$10,000 grants from the Ozarks Regional Commission, one to conduct a feasibility study for a community junior college in Pulaski County and the other to establish a statewide educational research "stimulation project" for Arkansas colleges and universities.

Dr. M. Olin Cook, executive director of the CCHEP, said that Dr. Marshall W. McLeod, assistant director for community junior colleges, would direct the first study, which will include a manpower survey of Pulaski County.

The second will be directed by Dr. Gary D. Chamberlin, also a Commission assistant director, with assistance from an advisory committee of representatives of participating institutions.

The second project will encourage campus research, conduct meetings in research using consultants who have distinguished themselves as researchers, and will provide a forum for the dissemination of research findings.

6/26/70

U.S. aids study of Pulaski needs for junior college

The state Commission on Coordination of Higher Educational Finance has received two \$10,000 federal grants.

The first grant, received from the Ozarks Regional Commission on June 9, will be used to conduct a feasibility study for a community junior college in Pulaski County. The second, received through the federal Office of Education, will be used to establish a statewide educational-research stimulation project for colleges and univer-

sities in Arkansas.

Dr. Marshall W. McLeod, assistant director for community junior colleges for the commission, will direct the feasibility study.

Dr. Olin M. Cook, executive director of the commission, said the commission was negotiating with another state agency for an industrial survey of Pulaski County. He said the survey would show what kinds of industrial skills are needed in the Pulaski County area and provide a "total picture" of the community junior college.

Dr. Gary D. Chamberlin, assistant director of the commission, will direct the research-stimulation project. An advisory committee of representatives from participating colleges and universities will assist Chamberlin.

The research-stimulation project will encourage research on the various campuses and conduct workshops and seminars in research using consultants who have distinguished themselves as researchers. It will provide a forum for the dissemination of research findings toward the end of each academic year.

Arkansas Gazette.

LITTLE ROCK, THURSDAY, SEPTEMBER 24, 1970.

School Research Seminar Friday

A seminar on educational research sponsored by the state Commission on Co-ordination of Higher Educational Finance will be held Friday at the University of Arkansas at Little Rock.

Dr. Leslie Lewis, director of research at Oklahoma State University, and Dr. Stuart Westerland, director of graduate studies in education at the University of Tulsa, will speak. Dr. M. Olin Cook, executive director of the CCHEF, said that the seminar was the first activity of a project being conducted by the CCHEF with a grant from the United States Office of Education. Dr. Gary D. Chamberlin, assistant director of the CCHEF, heads the project, which is designed to provide financial and consultative assistance to faculty members of Arkansas colleges and universities in designing and conducting educational research projects.

A meeting of the Arkansas Educational Research and Development Council will be held in conjunction with the seminar.

Sunday, January 24, 1971

ASU NEWS

Ten members of the Arkansas State University faculty were designated recently as recipients of six educational research grants. The grants are given under the Arkansas Education Research Stimulation Program which is being administered by the Arkansas Commission of Coordination of Higher Education Finance.

This program was funded by a \$10,000 grant under the Regional Project Research Program of the U. S. Office of Education. The primary purpose of this project is to make available pilot grants which will stimulate faculty to conduct research in the field of education.

Competition for these funds has been received from a majority of the public and private colleges and universities in the state. To date, A-State has received the largest number of grants among the competing schools.

Following are the ASU recipients and the topics of their research:

Dr. Donald E. Wright and Dr. Thomas D. Bishop — "The effectiveness of predicting student success in freshman algebra courses."

Dr. Alvin McRaven, Dr. C. L. McLarty and Dr. John L. Burns — "The use of contingency management techniques in teaching medical terms to graduate rehabilitation counseling students."

Dr. John L. Burns — "Some affective characteristics of volunteers for psychological experiments and non-participants in such experiments."

Dr. James E. Griner — "An investigation of student autonomy in a short-term study of Arkansas history."

Dr. James F. Golden and Miss Charlotte Leach — "Changes in mental health attitudes of nursing students."

Dr. James A. DeVazier and Dr. John P. Hosinski — "An investigation of the health knowledge status of sixth grade students in selected northeast Arkansas schools."

ARKANSAS DEMOCRAT

Little Rock, Ark.

Friday, January 29, 1971

6 research grants go to ASU

JONESBORO — Ten faculty members at Arkansas State University here recently received six educational research grants.

The grants were made under the Arkansas Education Research Stimulation Program, which is administered by the state Commission on the Coordination of Higher Educational Finance.

These are the recipients and the topics of their research:

—Dr. Donald E. Wright and Dr. Thomas D. Bishop, "The effectiveness of predicting student success in freshman algebra courses."

—Dr. Alvin McRaven, Dr. C. L. McLarty and Dr. John L. Burns, "The use of contingency management techniques in teaching medical terms to graduate rehabilitation counseling students."

—Burns, "Some affective characteristics of volunteers for psychological experiments and nonparticipants in such experiments."

—Dr. James E. Griner, "An investigation of student autonomy in a short-term study of Arkansas history."

—Dr. James F. Golden and Miss Charlotte Leach, "Changes in mental health attitudes of nursing students."

—Dr. James A. DeVazier and Dr. John P. Hosinski, "An investigation of the health knowledge status of sixth-grade students in selected northeast Arkansas schools."

APPENDIX E

NEWSLETTER

Arkansas Educational Research Stimulation Project
Contracted by the
Commission on Coordination of Higher Educational Finance
Supported by the
Regional Project Research Program - U. S. Office of Education

October 1970

Number I

Little Rock, Arkansas

RESEARCH SEMINAR

The first major activity of the AERSP project was held in the form of a research seminar at the University of Arkansas at Little Rock on September 25, 1970. There were 57 in attendance at the meeting which had as speakers, Dr. Leslie Lewis, Director of Research at Central State College in Oklahoma and Dr. Stuart Westerlund, Director of Graduate Programs in Education at the University of Tulsa. The seminar was held in conjunction with a meeting of the Arkansas Educational Research and Development Council and representatives from the following institutions and educational agencies were present:

Arkansas A M & N College
Arkansas College
Arkansas Education Association
Arkansas Polytechnic College
Arkansas State Department of Education
Arkansas State University
College of the Ozarks
Commission on Coordination of Higher Educational Finance
Education Service Center, Region VIII
Harding College
Henderson State College
Hendrix College
Little Rock Public Schools
Ouachita Baptist University
Philander Smith College
Southern State College
University of Arkansas
University of Arkansas at Little Rock
Westark Junior College

FACULTY RESEARCH SEMINARS

The AERSP project includes some limited funds which may be utilized by institutions in conducting seminars on their campuses for their faculty members as a means for interesting them in educational research activities and to make known the means and methods for conducting such projects. An institution may receive funds for such seminars not to exceed \$100 if they are needed. The member of the Research Project Committee from the interested institution may submit a letter to the Project Director addressed to the "How, What, and When" of the seminar and indicate how much will be needed in order to carry it out. If it is considered desirable to include a resource person from outside the institution, the Project Director or a member of the Research Project Committee will arrange to be in attendance. Institutions are encouraged to conduct such seminars on their campuses.

AERSP PROJECT PROPOSALS

October 23 has been set as the first proposal submission date for the AERSP project. As soon after that date as possible, the Research Project Committee will determine its recommendations on the disposition of these proposals and it is hoped that initiators may be notified of the decision shortly after November 1. An as yet undetermined date early in January will be set as the second proposal date unless a number of faculty members show an interest in developing a proposal prior to January but after the October 23 submission date. Should such be the case, an additional proposal date will be set between October and January.

Any faculty member interested in developing such a proposal who needs assistance of a specialized nature may contact the Project Director indicating his needs and a satisfactory arrangement for assistance will be sought at no cost to the initiator or his institution.

FEDERAL FUNDS FOR PROJECT RESEARCH

The Regional Project Research Program of the U. S. Office of Education began the current fiscal year at a funding rate higher than was true of the previous year. Recently, the RPR program received additional funds with the possibility existing that more will be forthcoming.

Our regional office is located in Dallas and the region includes the states of Arkansas, Oklahoma, New Mexico, Louisiana, and Texas. Proposals for projects limited to \$10,000 are eligible for the RPR program and will be competing only with other proposals from states in our region. The additional funding simply means that good proposals from Arkansas will probably have a higher probability of receiving funds than has been the case in some previous years. A faculty

member interested in submitting a proposal to this program or another similar funding source may receive assistance from the Project Director or another suitable person at no cost to the initiator.

RESEARCH PROPOSALS AVAILABLE

The Project Director has available in his office, a limited number of RPR proposals which have been submitted to the Dallas office in the past and have been supported. Copies, for use as a general guide, may be secured by contacting the Project Director and determining if a proposal similar in format to an idea by the initiator is available.

REMINDER TO RESEARCH PROJECT COMMITTEE MEMBERS

If you have not yet submitted the form on which pre-project evaluation data were to be included, please do so at your earliest convenience. It was agreed in July that the date of September 15 would be set as the submission date for these data but only six institutions have responded thus far. If you have mislaid the form or if you have questions about particular items, please contact the Project Director and another form will be provided or particular questions answered.

FUTURE NEWSLETTERS

Newsletters will be prepared and sent to Research Project Committee members at quarterly intervals or more often as the need arises. If you have an item which you would like to have appear in a future newsletter, please send it to the Project Director.

News items or requests for additional information may be directed to:

Dr. Gary D. Chamberlin, Project Director
Commission on Coordination of Higher Educational Finance
401 National Old Line Building
Little Rock, Arkansas 72201
Phone: 371-1441

NEWSLETTER

Arkansas Educational Research Stimulation Project
Contracted by the
Commission on Coordination of Higher Educational Finance
Supported by the
Regional Project Research Program - U. S. Office of Education

December 1970

Number II

Little Rock, Arkansas

FINAL PROPOSAL SUBMISSION DATE

The final closing date for the submission of proposals for support from the AERSP project has been set by the Research Project Committee as January 22, 1971. Funds remain to fund several pilot projects but it is expected that those funds will be exhausted at this closing date. In addition, since the AERSP project is to terminate on June 30, 1971, it is felt that to set another date would not allow sufficient time to plan and conduct a quality project.

PROJECTS APPROVED AT THE OCTOBER 23, 1970 CLOSING DATE

The Research Project Committee met on November 5, 1970 after the October closing date and approved funding for 14 projects. A total of \$2,641.80 was committed for these projects. The successful investigators and their project titles are as follows:

- 1) "Proposal for Discriminatory Analysis Guide for Freshmen Placement in Mathematics at Hendrix"

Dr. Cecil McDermott

Hendrix College

- 2) "The Relationship Between a Spoken Negro Dialect and Writing Errors of Black College Students"

Mrs. LaVerne Hanners

Arkansas A M & N College

- 3) "A Rhythmic Approach for Teaching Sight-Reading of Music at the Piano for Adults"

Dr. William Trantham

Ouachita Baptist University

4) "Recognition Learning in Nursery School Children"

Dr. Lawrence Cole

Arkansas Polytechnic College

5) "A Study of the Welch Autotutor as an Educational Supplement for Freshman College Chemistry Students"

Dr. William Walker Trigg

Arkansas Polytechnic College

6) "Establishment of a Permanent Collection of Microorganism Cultures to Facilitate Undergraduate Instruction in Biology"

Dr. Rex Eley

Dr. Hugh Johnson

Southern State College

7) "A Project to Determine Whether Alternative Methods of Teaching Freshman Western Civilization Produce Equivalent Content Mastery"

Dr. Jane Fagg

Arkansas College

8) "Is Small Town Teaching Unique?"

Mrs. Margaret Wentworth

Philander Smith College

9) "Environmental Education in Junior High English Class"

Dr. Bobby Coker

Harding College

10) "The Effectiveness of Predicting Student Success in Freshman Algebra Courses"

Dr. Donald Wright

Dr. Thomas Bishop

Arkansas State University

11) "The Use of Contingency Management Techniques in Teaching Medical Terms to Graduate Rehabilitation Counseling Students"

Dr. Alvin McRaven

Dr. C. L. McLarty

Dr. John Burns

Arkansas State University

12) "Some Affective Characteristics of Volunteers for Psychological Experiments and Nonparticipants in Such Experiments"

Dr. John Burns

Arkansas State University

13) "An Investigation of Student Autonomy in a Short-Term Study of Arkansas History"

Dr. James Griner

Arkansas State University

14) "The Immediate and Residual Effects of a College Men's Physical Fitness Training Program Upon Selected Physical Measures"

Dr. George Moore

University of Arkansas

PROJECTS APPROVED AT THE DECEMBER 4, 1970 CLOSING DATE

On December 14, 1970, the Research Project Committee again met to consider the proposals which had been submitted at the December 4, 1970 closing date. At this meeting, five more proposals were approved for a financial commitment of \$1,305.00. The investigators and their project titles are as follows:

1) "A Survey of the Elementary Teacher's Interests and Preparation in Teaching Outdoor Education"

Mr. Larry Gann

Arkansas Polytechnic College

2) "Changes in Mental Health Attitudes of Nursing Students"

Dr. James Golden

Miss Charlotte Leach

Arkansas State University

3) "Development of an All Purpose Questionnaire Format and Computer Analysis Program for Student Use in Social Research"

Mr. Ronald Loague

College of the Ozarks

4) "An Investigation of the Health Knowledge Status of Sixth Grade Students in Selected Northeast Arkansas Schools"

Dr. James DeVazier

Dr. John Hosinski

Arkansas State University

5) "A Pilot Project to Develop Effective Demonstration Models to Aid in Teaching the Basic Principles of Structural Design"

Mr. Richard Kellogg

University of Arkansas

INSTITUTIONAL DEVELOPMENTAL SEMINAR HELD

On December 1, 1970, an institutional research development seminar was held on the campus of Harding College, Searcy, Arkansas. The seminar was initiated by Dr. E. G. Sewell, Chairman of the Department of Education at Harding and a member of the Research Project Committee. Approximately 20 faculty members were in attendance at the seminar which consumed the major portion of the day.

REMINDER

Potential investigators should be reminded that assistance in the preparation of proposals for the AERSP project or other sources may be secured by being in contact with the project director. This aid can be arranged at no cost to the investigators or their institutions.

ITEMS FOR NEWSLETTER

Items of interest should be sent to the project director for inclusion in future newsletters. Items such as research projects underway, proposals which have been funded, and other such matters are solicited for dissemination through this medium.

News items may be directed to:

Dr. Gary D. Chamberlin, Project Director
Commission on Coordination of Higher Educational Finance
401 National Old Line Building
Little Rock, Arkansas 72201
Phone: 371-1441

NEWSLETTER

ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

Contracted by the

COMMISSION ON COORDINATION OF HIGHER EDUCATIONAL FINANCE

Supported by the

REGIONAL PROJECT RESEARCH PROGRAM - U.S. OFFICE OF EDUCATION

March 1971

Number III

Little Rock, Arkansas

FINAL CLOSING DATE HELD

The final closing date for submitting proposals to be supported by the AERSP project was held on January 22, 1971. Six proposals were submitted and the Research Project Committee decided at its meeting on February 4, 1971 to approve five of them. This brings to 24 the total number of individual projects currently being supported by the Project. A total of \$5,291.80 has been expended on these projects which exhausts the funds budgeted for this purpose.

PROJECTS APPROVED AT THE JANUARY 22, 1971 CLOSING DATE

The Research Project Committee met on February 4, 1971 after the January closing date and approved five projects. A total of \$1,255 was committed for these projects. The successful investigators and their project titles are as follows:

- 1) "A Descriptive Survey of Selected Characteristics of Harding Spring Student Teachers"

Dr. E. G. Sewell

Harding College

- 2) "A Method for Early Identification of Research Oriented Undergraduate Mathematics Majors"

Mr. Temple Fay

Hendrix College

- 3) "Manipulation of Implicit Associative Responses in Verbal Discrimination Learning by Children"

Dr. Charles Jones

Arkansas Polytechnic College

4) Significance of the Positions of *þ* and *ð* in Old English Manuscripts, particularly the Beowulf Manuscript"

Dr. Oneida Snapp

Arkansas Polytechnic College

5) "Color Blindness Among Mongoloid, Educable Mentally Retarded, and Normal Children"

Dr. Harold Love

State College of Arkansas

SUMMARY OF PROJECTS BY INSTITUTION

The AERSP project has had 17 institutions participating throughout the year. Most of the institutions have had at least one proposal submitted and a vast majority have had at least one project approved and funded. The following summary shows the number of projects that have been approved from each institution:

<u>INSTITUTION</u>	<u>NO. OF PROJECTS APPROVED</u>
Arkansas A & M College	-0-
Arkansas A M & N College	1
Arkansas College	1
Arkansas Polytechnic College	5
Arkansas State University	6
College of the Ozarks	1
Harding College	2
Hendrix College	2
Henderson State College	-0-
Ouachita Baptist University	1
Philander Smith College	1
Phillips County Community College	-0-
Southern State College	1
State College of Arkansas	1
University of Arkansas	2
University of Arkansas at Little Rock	-0-
Westark Junior College	-0-

TOTAL

24

59

CONFERENCE ON INSTITUTIONAL RESEARCH TO BE HELD

At several times throughout the year, it has been suggested that an activity designed to promote institutional research would be an appropriate activity of the AERSP project. At the February 4, 1971 meeting of the Research Project Committee, it was decided that a conference on the organization and operation of an office of institutional research should be held for a limited number of representatives from each campus. It was felt that the group should be kept small to allow for interaction and questions and, for this reason, only two representatives from each campus will be invited to attend. Dr. Fred Taylor of University of Arkansas and Dr. Melvyn Freed of Arkansas State University are the only two full-time formally designated Directors of Institutional Research in higher education institutions in Arkansas. These two men are members of the Research Project Committee of the AERSP project and have agreed to be the program leaders for the conference which will be held on April 19, 1971 at State College of Arkansas.

YEAR END DISSEMINATION CONFERENCE

The year end dissemination conference on educational research is scheduled for May 7, 1971 and will be held on the campus of Harding College. This meeting will be held in conjunction with the final meeting of the year for Arkansas Educational Research and Development Council as was the case for the first meeting of the year. Mark your calendars for this date and additional information will be forthcoming.

DR. HASWELL ILL

Dr. Harold Haswell, Director of Educational Research with the regional office of USOE in Dallas and the project officer on the AERSP project, has been quite ill for the past several weeks. He had surgery in a Dallas hospital and is now at home recuperating. It is anticipated that it will yet be several weeks before he will return to his work with the regional office. Many of you are well acquainted with Dr. Haswell and may wish to relay your greetings to him.

For further information contact:

Dr. Gary D. Chamberlin, Project Director
Commission on Coordination of Higher Educational Finance
401 National Old Line Building
Little Rock, Arkansas 72201
Phone: 371-1441

NEWSLETTER

Arkansas Educational Research Stimulation Project
Contracted by the
Commission on Coordination of Higher Educational Finance
Supported by the
Regional Project Research Program - U. S. Office of Education

July 1971

Number IV

Little Rock, Arkansas

CONTINUED FUNDING FOR PROJECT APPROVED

On June 8, 1971, a proposal to conduct the Arkansas Educational Research Development Project, an extension of the AERSP Project, was submitted to the Regional Project Research Program of the U. S. Office of Education. We have received notification that the proposal was approved and the AERDP Project will be funded during the next year with another \$10,000 grant. This will mean that faculty members will again be able to receive support for small educational research projects. More detailed information on these grants may be received by contacting the member of the Project Steering Committee on each campus or the Project Director.

REPORTING CONFERENCE HELD

A reporting conference was held on the campus of Harding College on May 7, 1971. The purpose of this conference was to hear reports of the results of research projects that had been conducted under sponsorship of the AERSP project during the 1970/71 academic year. Of the 24 projects supported by AERSP, 18 investigators were able to report at the conference. There were approximately 50 people in attendance to hear these reports as well as institutional reports by Dr. Jim Ed McGee and Dr. Melvyn Freed. Dr. Phillip Hefley, Director of Educational Research in the Kansas City regional USOE office was in attendance due to the illness of Dr. Haswell and commented on the total program at the end of the day. Our thanks goes to Dr. E. G. Sewell and Harding College for providing the fine accommodations and to Dr. Clifton Ganus, President of Harding, for making us all his guests at lunch.

COLE PROPOSAL FUNDED

Dr. Lawrence Cole completed a project through AERSP funding entitled, "The Effects of Pronunciational Responses Upon Nursery School Children's Verbal Discrimination Learning". Dr. Cole, an Assistant Professor of Psychology at Arkansas Polytechnic College, decided to expand his research efforts and submitted a proposal to the Regional Project Research Program of USOE in late Spring. The project, which is entitled, "Comparison of Anticipation and Study-Test Procedures of Paired-Associate Learning by Children" was approved and has been funded for approximately \$8,000 during the next year. This represented Dr. Cole's first attempt at presenting a proposal to the RPR program.

HANNERS INVITED TO SPEAK AT VANDERBILT

Mrs. LaVerne Hanners, Associate Professor of English at Arkansas A M & N College, completed a project through funding by AERSP entitled, "The Relationship Between a Spoken Negro Dialect and Writing Errors of Black College Students." Considerable interest has been generated by this project and in May Mrs. Hanners spoke to the linguistics faculties of four higher education institutions on the results of her research at Vanderbilt University. Mrs. Hanners expects to continue her research in this area.

STAPP TO PRESENT FINDINGS AT NEW ORLEANS

Dr. Oneida Stapp, former Assistant Professor of English at Arkansas Polytechnic College will present a paper to the Modern Language Association at New Orleans in the Fall. Her paper will be the result of her work in a project entitled, "The Phonetic Significance of the Positions of *p* and *d* in Old English Manuscripts, particularly in the Beowulf Manuscript" which was conducted under sponsorship of the AERSP project.

JOHN BROWN UNIVERSITY TO JOIN AERDP PROJECT

John Brown University will join the list of participating institutions for the AERDP project during the next year. Dr. John Terry has been designated as the institutional representative for the University. We welcome JBU as a participating institution and Dr. Terry to the Project Steering Committee.

STEERING COMMITTEE CHANGES

Dr. Melvyn Freed has been promoted to Administrative Vice President at Arkansas State University. Dr. Farris Womack has been named as the new Director of Institutional Research and will replace Dr. Freed on the Steering Committee. In addition, Dr. Edward Mosely will replace Dr. Roberta Brown on the Steering Committee from Arkansas College. We welcome both Dr. Womack and Dr. Mosely but will miss the fine contributions of Dr. Freed and Dr. Brown.

GUIDELINES FOR NEW PROJECT

Guidelines for preparing proposals for the AERDP project will be distributed in the near future. Faculty members who are interested in presenting proposals for support should begin work on their proposals as soon as possible. A closing date for the first proposals will be set in late-September or early-October.

For additional information or news items, contact:

Dr. Gary D. Chamberlin, Project Director
Department of Higher Education
401 National Old Line Building
Little Rock, Arkansas 72201
Phone: 501-371-1441

APPENDIX F

ARKANSAS EDUCATIONAL RESEARCH STIMULATION PROJECT

Questionnaire for the Collection of Project Evaluative Data

- I. Institution _____
- II. Respondent _____
- III. How many faculty members conducted educational research projects? _____
- IV. How many educational research project proposals were submitted to funding agencies outside the institution? _____
- V. How many educational research project proposals were approved for funding but failed to be funded? _____
- VI. How many educational research project proposals were funded? _____
- VII. How many educational research projects involved interdisciplinary arrangements? _____
- VIII. How many educational research projects involved interinstitutional arrangements? _____
- IX. Does your institution have an institution-wide research committee? _____
- X. Does the College, School, or Department of Education have a research committee? _____
- XI. Does your institution have an office of research for assisting faculty members in research efforts? _____ If so, does this office have a full-time _____ or part-time _____ director?
- XII. Does your institution have an office of institutional research? _____ If so, does this office have a full-time _____ or part-time _____ director?
- XIII. How many faculty members were allowed released time for conducting educational research projects? _____

- XIV. How many faculty members attended one or more regional or national conventions or meetings of professional education organizations? _____
- XV. How many faculty members presented papers at one or more regional or national conventions or meetings of professional education organizations? _____
- XVI. How many faculty members published the results of one or more educational research projects in professional education journals? _____
- XVII. How many faculty members held offices in state, regional, or national professional education organizations?

State _____ Regional _____ National _____